



# Electronic Filing System (EFS) Data

## Electronic Patent Application Submission

### USPTO Use Only

EFS ID: 55314  
Application ID: 10712686   
Title of Invention: Methods and Systems of  
Producing Monoolefins by the  
Extraction-Hydrogenation of  
Highly Unsaturated  
Hydrocarbons  
First Named Inventor: Tin-Tack Cheung  
Domestic/Foreign Application: Domestic Application  
Filing Date: 2003-11-13  
Effective Receipt Date: 2004-02-11  
Submission Type: Information Disclosure  
Statement  
Filing Type:  
Confirmation number: 9092  
Attorney Docket Number: 4081-04300

Total Fees Authorized:

Digital Certificate Holder: cn=Rodney B. Carroll,ou=Registered Attorneys,ou=Patent and Trademark  
Office,ou=Department of Commerce,o=U.S. Government,c=US  
Certificate Message Digest: dc707afd9b1ab6fb9cfcd45a978181592cf910a



## TRANSMITTAL

Electronic Version v1.1  
Stylesheet Version v1.1.0

Title of Invention	Methods and Systems of Producing Monoolefins by the Extraction-Hydrogenation of Highly Unsaturated Hydrocarbons	
Application Number:	10/712686	
Date:	2003-11-13	
First Named Applicant:	Tin-Tack Peter Cheung	
Confirmation Number:	9092	
Attorney Docket Number:	4081-04300	
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Submitted by:	Elec. Sign.	Sign. Capacity
Rodney B. Carroll Registered Number: 39,624	Rodney B. Carroll	Attorney
Documents being submitted us-ids	Files 4081-04300-usidst.xml us-ids.dtd us-ids.xsl	
Comments		



## ELECTRONIC INFORMATION DISCLOSURE STATEMENT

Electronic Version v18

Stylesheet Version v18.0

Title of Invention	Methods and Systems of Producing Monoolefins by the Extraction-Hydrogenation of Highly Unsaturated Hydrocarbons													
Application Number:	10/712686													
Confirmation Number:	9092													
First Named Applicant:	Tin-Tack Cheung													
Attorney Docket Number:	4081-04300													
Art Unit:	1764													
Search string:	( 3477962 or 3651167 or 3666412 or 3755488 or 3948808 or 3957688 or 4128595 or 4191846 or 4227025 or 4484015 or 4906800 or 5413984 or 5475173 or 5489565 or 6127588 or 6635600 ).pn.													
<b>US Patent Documents</b>														
Note: Applicant is not required to submit a paper copy of cited US Patent Documents														
init	Cite.No.	Patent No.	Date	Patentee	Kind	Class	Subclass							
	1	3477962	1969-11-11	Kardys		252	412							
	2	3651167	1972-03-21	de Rosset		260	681.5							
	3	3666412	1972-05-30	Sowards		23	162							
	4	3755488	1973-08-28	Johnson et al.		260	677A							
	5	3948808	1976-04-06	Box Jr. et al.		252	462							
	6	3957688	1976-05-18	Farha Jr. et al.		252	455 R							
	7	4128595	1978-12-05	Montgomery		260	677 H							
	8	4191846	1980-03-04	Farha Jr. et al.		585	440							
	9	4227025	1980-10-07	Montgomery		585	259							
	10	4484015	1984-11-20	Johnson et al.		585	262							
	11	4906800	1990-03-06	Henry et al.		585	260							
	12	5413984	1995-05-09	Marecot et al.		502	333							
	13	5475173	1995-12-12	Cheung et al.		585	259							
	14	5489565	1996-02-06	Cheung et al.		502	325							

	15	6127588	2000-10-03	Kimble et al.		585	260
	16	6635600	2003-10-21	Kimble et al.		502	330

Signature

Examiner Name	Date